



#37

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SEQUENCE LISTING

<110> Bannon, et al.

<120> Methods and Reagents for Decreasing Clinical Reactions
to Allergy

<130> 2002834-0043

<140> 09/141,220

<141> 1998-08-27

<160> 81

<170> PatentIn Ver. 2.1

<210> 1

<211> 2032

<212> DNA

<213> Arachis hypogaea

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<213> *Arachis hypogaea*

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Ile	Arg	Val	Leu	Gln	Arg	Phe	Asp	Gln	Arg	Ser	Arg	Gln	Phe	Gln	Asn	195	200	205
Leu	Gln	Asn	His	Arg	Ile	Val	Gln	Ile	Glu	Ala	Lys	Pro	Asn	Thr	Leu	210	215	220
Val	Leu	Pro	Lys	His	Ala	Asp	Ala	Asp	Asn	Ile	Leu	Val	Ile	Gln	Gln	225	230	235
Gly	Gln	Ala	Thr	Val	Thr	Val	Ala	Asn	Gly	Asn	Asn	Arg	Lys	Ser	Phe	245	250	255
Asn	Leu	Asp	Glu	Gly	His	Ala	Leu	Arg	Ile	Pro	Ser	Gly	Phe	Ile	Ser	260	265	270
Tyr	Ile	Leu	Asn	Arg	His	Asp	Asn	Gln	Asn	Leu	Arg	Val	Ala	Lys	Ile	275	280	285
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Leu	Glu	Ala	Ala	Phe	Asn	Ala	Glu	Phe	Asn	Glu	Ile	Arg	Arg	Val	Leu	325	330	335
Leu	Glu	Glu	Asn	Ala	Gly	Gly	Glu	Gln	Glu	Glu	Arg	Gly	Gln	Arg	Arg	340	345	350
Trp	Ser	Thr	Arg	Ser	Ser	Glu	Asn	Asn	Glu	Gly	Val	Ile	Val	Lys	Val	355	360	365
Ser	Lys	Glu	His	Val	Glu	Glu	Leu	Thr	Lys	His	Ala	Lys	Ser	Val	Ser	370	375	380
Lys	Lys	Gly	Ser	Glu	Glu	Glu	Gly	Asp	Ile	Thr	Asn	Pro	Ile	Asn	Leu	385	390	395
Arg	Glu	Gly	Glu	Pro	Asp	Leu	Ser	Asn	Asn	Phe	Gly	Lys	Leu	Phe	Glu	405	410	415
Val	Lys	Pro	Asp	Lys	Lys	Asn	Pro	Gln	Leu	Gln	Asp	Leu	Asp	Met	Met	420	425	430

Leu Thr Cys Val Glu Ile Lys Glu Gly Ala Leu Met Leu Pro His Phe
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Asn Ser Lys Ala Met Val Ile Val Val Val Asn Lys Gly Thr Gly Asn
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Leu Glu Leu Val Ala Val Arg Lys Glu Gln Gln Gln Arg Gly Arg Arg
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Glu Glu Glu Glu Asp Glu Asp Glu Glu Glu Glu Gly Ser Asn Arg Glu
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Val Arg Arg Tyr Thr Ala Arg Leu Lys Glu Gly Asp Val Phe Ile Met
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Pro Ala Ala His Pro Val Ala Ile Asn Ala Ser Ser Glu Leu His Leu
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Gln Lys Glu Ser His Phe Val Ser Ala Arg Pro Gln Ser Gln Ser Gln
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Phe Asn
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<213> *Arachis hypogaea*

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			20					25					30		
Gln	Leu	Glu	Arg	Ala	Asn	Leu	Arg	Pro	Cys	Glu	Gln	His	Leu	Met	Gln
			35					40				45			
Lys	Ile	Gln	Arg	Asp	Glu	Asp	Ser	Tyr	Glu	Arg	Asp	Pro	Tyr	Ser	Pro
	50					55					60				
Ser	Gln	Asp	Pro	Tyr	Ser	Pro	Ser	Pro	Tyr	Asp	Arg	Arg	Gly	Ala	Gly
65					70					75				80	
Ser	Ser	Gln	His	Gln	Glu	Arg	Cys	Cys	Asn	Glu	Leu	Asn	Glu	Phe	Glu
			85						90					95	
Asn	Asn	Gln	Arg	Cys	Met	Cys	Glu	Ala	Leu	Gln	Gln	Ile	Met	Glu	Asn
		100						105					110		
Gln	Ser	Asp	Arg	Leu	Gln	Gly	Arg	Gln	Gln	Glu	Gln	Gln	Phe	Lys	Arg
		115					120					125			
Glu	Leu	Arg	Asn	Leu	Pro	Gln	Gln	Cys	Gly	Leu	Arg	Ala	Pro	Gln	Arg
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<213> *Arachis hypogaea*

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Thr Gln Gly Arg Arg Ser Gln Ser Gln Arg Pro Pro Arg Arg Leu Gln		
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Arg Phe Asp Glu Gly Asp Leu Ile Ala Val Pro Thr Gly Val Ala Phe		
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Trp Leu Tyr Asn Asp His Asp Thr Asp Val Val Ala Val Ser Leu Thr		
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Asp Thr Asn Asn Asn Asp Asn Gln Leu Asp Gln Phe Pro Arg Arg Phe		
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Asn Leu Ala Gly Asn Thr Glu Gln Glu Phe Leu Arg Tyr Gln Gln Gln		
	180	185 190
Ser Arg Gln Ser Arg Arg Arg Ser Leu Pro Tyr Ser Pro Tyr Ser Pro		
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Gln Ser Gln Pro Arg Gln Glu Glu Arg Glu Phe Ser Pro Arg Gly Gln		
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His Ser Arg Arg Glu Arg Ala Gly Gln Glu Glu Glu Asn Glu Gly Gly		
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Asn Ile Phe Ser Gly Phe Thr Pro Glu Phe Leu Glu Gln Ala Phe Gln		
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Val Asp Asp Arg Gln Ile Val Gln Asn Leu Arg Gly Glu Thr Glu Ser		
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Glu Glu Glu Gly Ala Ile Val Thr Val Arg Gly Gly Leu Arg Ile Leu		
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Ser Pro Asp Arg Lys Arg Arg Ala Asp Glu Glu Glu Glu Tyr Asp Glu		
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Trp Leu Gly Pro Ser Ala Glu Tyr Gly Asn Leu Tyr Arg Asn Ala Leu						
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Phe Lys Thr Asp Ser Arg Pro Ser Ile Ala Asn Leu Ala Gly Glu Asn						
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Ser Val Ile Asp Asn Leu Pro Glu Glu Val Val Ala Asn Ser Tyr Gly						
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Arg Gln Pro Arg
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Pro Ser Pro Tyr Asp Arg
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